110.5 - Fertilizers (powder form)

These SRMs are intended for use in the fertilizer industry as working standards.

Technical Contact: liz.mackey@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	120c	193	194	200b	694	695
Description	Phosphate Rock (Florida)	Potassium Nitrate	Ammonium Dihydrogen Phosphate	Potassium Dihydrogen Phosphate, (KH2PO4)	Phosphate Rock, Western	Trace Elements in Multi-Nutrient Fertilizer
Unit Size	(90 g)	(90 g)	(90 g)	(90 g)	(90 g)	(70 g)
			(Concentrations are in mass fractions, in mg/kg, unless noted by an asterisk for %)			
Aluminum						0.61
Al_2O_3					1.8	
Arsenic						200
Boron						0.111
Cadmium						16.9
Calcium						2.26
CaO	48.02				43.6	
CdO					0.015	
Chlorine						4.6
Chromium						244
Cobalt						65.3
Copper						1225
Cr_2O_3					(0.10)	
Fe_2O_3					0.79	

SRM	120c	193	194	200b	694	695
Description	Phosphate Rock (Florida)	Potassium Nitrate	Ammonium Dihydrogen Phosphate	Potassium Dihydrogen Phosphate, (KH2PO4)	Phosphate Rock, Western	Trace Elements in Multi-Nutrient Fertilizer
Unit Size	(90 g)	(90 g)	(90 g)	(90 g)	(90 g)	(70 g)
			(Concentrations are in mass fractions, in mg/kg, unless noted by an asterisk for %)			

Fluorine					3.2	
Iron (total)						3.99
K_2O	0.147				0.51	

Values in parentheses are given for information only.

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Lead						273
Magnesium						1.79
Manganese						0.305
Mercury						1.955
MgO					0.33	
MnO					0.0116	
Molybdenum						20.0
Na_2O					0.86	
Nickel						135
Nitrogen		13.85	12.15			13.9
P_2O_5	33.34				30.2	
Phosphorus			26.92	22.769		7.2

SRM	**120c**	**193**	**194**	**200b**	**694**	**695**
Description	**Phosphate Rock (Florida)**	**Potassium Nitrate**	**Ammonium Dihydrogen Phosphate**	**Potassium Dihydrogen Phosphate, (KH2PO4)**	**Phosphate Rock, Western**	**Trace Elements in Multi-Nutrient Fertilizer**
Unit Size	**(90 g)**	**(90 g)**	**(90 g)**	**(90 g)**	**(90 g)**	**(70 g)**

(Concentrations are in mass fractions, in mg/kg, unless noted by an asterisk for %)

Potassium		38.66		28.735		11.65
Selenium						2.1
SiO_2					11.2	
Sodium						0.405
Tin						
Titanium						310
TiO_2					(0.11)	
Tungsten						
Uranium					0.01414	
Vanadium						122
V_2O_5					0.31	
Zinc						0.325

Values in parentheses are given for information only.